

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	(US-20040100533-\$.did. or (US-6450622-\$ or US-6441838-\$ or US-6234598-\$ or US-5706041-\$ or US-6755509-\$ or US-6974210-\$ or US-6692108-\$ or US-5841452-\$ or US-6543879-\$ or US-4965594-\$ or US-5719604-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:14
L2	1	1 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:33
L3	20	("6416167" "5719604" "5666141" "4672398" "4737802" "5029805" "5258774" "4553393" "4864824" "4423401" "1941001" "3596275" "3373437" "3946398" "3683212" "3747120" "4459601" "4584590" "4490728" "4899181").pn.	USPAT	OR	ON	2006/03/27 08:19
L4	4	(US-20030090542-\$ or US-20040113986-\$.did. or (US-6746105-\$ or US-4965594-\$.did.	US-PGPUB; USPAT	OR	ON	2006/03/27 08:22
L5	1	(barrel truncated spherical) and 4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:27
L6	5	(amorphous adj ceramic) same (pressure near4 chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:37
L7	65496	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:34
L8	4	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:34
L9	1750	(ceramic) same (pressure adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:38
L10	419	7 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:37
L11	1294	347/61,65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:37
L12	12	9 and 11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:37
L13	259	((ceramic) same (pressure adj chamber)) and heater	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:39

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L14	0	11 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:40
L15	643	((ceramic) same (pressure adj chamber)) and (heater thermal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:39
L16	1	11 and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:39
L17	46	7 and 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:40
L18	1000	347/65.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:42
L19	347	18 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:43
L20	210	19 not piezoelectric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:43
L21	200	(heat\$3 near4 (element resistor)) and 20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:43
L22	200	21 not silverbrook.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:46
L23	34	(amorphous adj ceramic) same (benefit advantage improvement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:49
L24	12	(amorphous adj ceramic) with (benefit advantage improvement)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:47
L25	0	(amorphous adj ceramic) and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:49

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L26	6	(amorphous adj ceramic) and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:49
S1	2	"20040113986"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 07:53
S2	2	((("6746105") or ("6416167"))).PN.	USPAT	OR	OFF	2006/02/13 12:15
S3	1	(US-20040113986-\$.did.	US-PGPUB	OR	ON	2006/02/13 11:03
S4	0	("bubbleformingchamber"and(truncatedconenitrideoxynitride))andI3").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/13 11:04
S5	1	("bubble forming chamber" and (truncated cone nitride oxynitride))and S3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:17
S6	0	((("6746105" "6416167").pn. "20040113986") and ("bubble forming chamber" and (truncated cone nitride oxynitride))and "I3"	US-PGPUB; USPAT	OR	ON	2006/02/13 12:16
S7	0	((("6746105" "6416167").pn. "20040113986") and ("bubble forming chamber" and (truncated cone nitride oxynitride))and "I3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:16
S8	0	((("6746105" "6416167").pn.) "20040113986") and ("bubble forming chamber" and (truncated cone nitride oxynitride))and "I3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:16
S9	5	((("6746105" "6416167").pn.) "20040113986") ("bubble forming chamber" and (truncated cone nitride oxynitride))and "I3"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:17
S10	5	((("6746105" "6416167").pn.) "20040113986")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:17
S11	3	((("6746105" "6416167").pn.) "20040113986")	US-PGPUB; USPAT	OR	ON	2006/02/13 12:17
S12	72	("bubble forming chamber" and (truncated cone nitride oxynitride))	US-PGPUB; USPAT	OR	ON	2006/02/13 12:17
S13	1	S11 and S12	US-PGPUB; USPAT	OR	ON	2006/02/13 12:34
S14	14	(circular with cross with section with chamber) and silverbrook.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:21
S15	64999	"347"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:35

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S16	14	S14 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 12:35
S17	2	((("6746105") or ("6416167"))).pn.	USPAT	OR	OFF	2006/02/13 13:20
S18	1	(US-20040113986-\$.did.	US-PGPUB	OR	ON	2006/02/13 13:20
S19	0	S17 and S18	US-PGPUB	OR	ON	2006/02/13 13:20
S20	1	S17 S18	US-PGPUB	OR	ON	2006/02/13 13:20
S21	5	"20040113986" ("6746105" "6416167").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:21
S22	3	"20040113986" ("6746105" "6416167").pn.	US-PGPUB; USPAT	OR	ON	2006/02/13 13:21
S23	9928	(circular with cross with section with chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:22
S24	1	S22 and S23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:21
S25	71792	(cross with section with chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:22
S26	1	S22 and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:22
S27	1854883	(cross with section)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:22
S28	3	S22 and S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/13 13:22
S29	44	("6416167" "5719604" "5666141" "4672398" "4737802" "5029805" "5258774" "4553393" "4864824" "4423401" "1941001" "3596275" "3373437" "3946398" "3683212" "3747120" "4459601" "4584590" "4490728" "4899181").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 07:55
S31	1	"6726642".pn.	USPAT	OR	ON	2006/03/27 07:57
S32	1	"6746105".pn.	USPAT	OR	ON	2006/03/27 07:58
S33	1	"20030090542"	US-PGPUB; USPAT	OR	ON	2006/03/27 07:58
S34	8	S29 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:10

## EAST Search History

S35	3	(US-20040113986-\$ or US-20030090542-\$).did. or (US-6746105-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/27 08:11
S36	1	S35 and ceramic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/27 08:11